

# SEQUENCE LISTING

<110> Kranz, David M.  
Starwalt, Scott  
Bluestone, Jeffrey A.

<120> Mutated Class II Major Histocompatibility Proteins

<130> 103-00

<140> Not assigned

<141> 2001-12-10

<150> 60/254,248

<151> 2000-12-08

<160> 28

<170> PatentIn Ver. 2.0

<210> 1

<211> 20

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide primer

<400> 1

ccaggacaga ggcctcaac

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<210> 2

<211> 92

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 2

attgcagcta gcggtggacc taagggtggc ggcggttctt tagttccaag aggttctggt 60  
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<210> 3

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<212> DNA

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 3

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<212> DNA

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

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<211> 99

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

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<211> 45

<212> DNA

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 6

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<210> 7

<211> 51

<212> DNA

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 7

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51

<210> 8

<211> 45

<212> DNA  
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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 8

ttaagaccca tacgagccca agctggtgca gcaacctttt taccg

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<210> 9

<211> 51

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 9

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<210> 10

<211> 24

<212> DNA

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 10

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24

<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 11

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<210> 12

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
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<223> N is A, T, G or C and S is C or G.

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 13  
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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 14  
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<210> 15  
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<223> Description of Artificial Sequence:  
Oligonucleotide primer

<400> 15  
taatacgact cactataggg 20

<210> 16  
<211> 1243  
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cgcttcgaca gcgacgtggg cgagtaccgc gcggtgaccg agctggggcg gcactcagcc 240
gagtactaca ataagcagta cctggagcga acgcggggccg agctggacac ggcgtgcaga 300
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<210> 17

<211> 411

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 17

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Ser Gly Gly Gly Gly Ser Gly Asp Ser Glu Arg His Phe Val His Gln  
20 25 30

Phe Lys Gly Glu Cys Tyr Phe Thr Asn Gly Thr Gln Arg Ile Arg Leu  
35 40 45

Val Thr Arg Tyr Ile Tyr Asn Arg Glu Glu Tyr Leu Arg Phe Asp Ser  
50 55 60

Asp Val Gly Glu Tyr Arg Ala Val Thr Glu Leu Gly Arg His Ser Ala  
65 70 75 80

Glu Tyr Tyr Asn Lys Gln Tyr Leu Glu Arg Thr Arg Ala Glu Leu Asp  
85 90 95

Thr Ala Cys Arg His Asn Tyr Glu Glu Thr Glu Val Pro Thr Ser Leu  
100 105 110

Arg Arg Leu Glu Gln Pro Asn Val Ala Ile Ser Leu Ser Arg Thr Glu  
115 120 125

Ala	Leu	Asn	His	His	Asn	Thr	Leu	Val	Cys	Ser	Val	Thr	Asp	Phe	Tyr	130	135	140	
Pro	Ala	Lys	Ile	Lys	Val	Arg	Trp	Phe	Arg	Asn	Gly	Gln	Glu	Glu	Thr	145	150	155	160
Val	Gly	Val	Ser	Ser	Thr	Gln	Leu	Ile	Arg	Asn	Gly	Asp	Trp	Thr	Phe	165	170	175	
Gln	Val	Leu	Val	Met	Leu	Glu	Met	Thr	Pro	His	Gln	Gly	Glu	Val	Tyr	180	185	190	
Thr	Cys	His	Val	Glu	His	Pro	Ser	Leu	Lys	Ser	Pro	Ile	Thr	Val	Glu	195	200	205	
Trp	Arg	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Glu	Asp	Asp	Ile	Glu	210	215	220	
Ala	Asp	His	Val	Gly	Phe	Tyr	Gly	Thr	Thr	Val	Tyr	Gln	Ser	Pro	Gly	225	230	235	240
Asp	Ile	Gly	Gln	Tyr	Thr	His	Glu	Phe	Asp	Gly	Asp	Glu	Leu	Phe	Tyr	245	250	255	
Val	Asp	Leu	Asp	Lys	Lys	Lys	Thr	Val	Trp	Arg	Leu	Pro	Glu	Phe	Gly	260	265	270	
Gln	Leu	Ile	Leu	Phe	Glu	Pro	Gln	Gly	Gly	Leu	Gln	Asn	Ile	Ala	Ala	275	280	285	
Glu	Lys	His	Asn	Leu	Gly	Ile	Leu	Thr	Lys	Arg	Ser	Asn	Phe	Thr	Pro	290	295	300	
Ala	Thr	Asn	Glu	Ala	Pro	Gln	Ala	Thr	Val	Phe	Pro	Lys	Ser	Pro	Val	305	310	315	320
Leu	Leu	Gly	Gln	Pro	Asn	Thr	Leu	Ile	Cys	Phe	Val	Asp	Asn	Ile	Phe	325	330	335	
Pro	Pro	Val	Ile	Asn	Ile	Thr	Trp	Leu	Arg	Asn	Ser	Lys	Ser	Val	Thr	340	345	350	
Asp	Gly	Val	Tyr	Glu	Thr	Ser	Phe	Leu	Val	Asn	Arg	Asp	His	Ser	Phe	355	360	365	
His	Lys	Leu	Ser	Tyr	Leu	Thr	Phe	Ile	Pro	Ser	Asp	Asp	Asp	Ile	Tyr	370	375	380	
Asp	Cys	Lys	Val	Glu	His	Trp	Gly	Leu	Glu	Glu	Pro	Val	Leu	Lys	His	385	390	395	400
Trp	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp	Leu						405	410		

<210> 18  
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<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide

<400> 18  
ggtaaaaagg ttgctgcacc agcttgggct cgtatgggt

39

<210> 19  
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<212> PRT  
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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 19  
Gly Lys Lys Val Ala Ala Pro Ala Trp Ala Arg Met Gly  
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<210> 20  
<211> 57  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide

<400> 20  
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57

<210> 21  
<211> 13  
<212> PRT  
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<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 21  
Gly Lys Lys Val Ala Ala Pro Val Trp Ile Arg Met Gly  
1 5 10

<210> 22  
<211> 19  
<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 22

Lys Pro Cys Asn Cys Pro Lys Gly Asp Val Asn Tyr Ala Phe Leu His  
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Ala Thr Asp

<210> 23

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic nucleotide

<400> 23

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<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 24

Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly  
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<210> 25

<211> 54

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic nucleotide primer

<400> 25

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54

<210> 26

<211> 76

<212> DNA



<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 26

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ggtgaaattt gacctc 76

<210> 27

<211> 51

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 27

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<210> 28

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
nucleotide primer

<400> 28

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